In the claims:

This listing of claims will replace all prior versions of claims in the application.

Claims 1-29. (cancelled).

Claim 30. (new) A method for monitoring a patient, comprising:

a) providing a monitoring system comprising: i) one or more physiological sensory devices; (ii) an electronic module unit to receive data of the one or more sensory devices; and (iii) a computer unit that utilizes an open architecture computing platform for receiving and analysis of data from the module;

b) providing data to the module unit from the one or more sensory device units providing data to the module unit; and

c) through a handshaking protocol, transferring data between the module unit and computer unit transferring data, whereby the handshaking protocol ensures reliable data transfer and notification of error.

Claim 31. (new) The method of claim 30 wherein an alarm is provided upon notification of error in step c).

Claim 32. (new) The method of claim 30 wherein the computer unit utilizes Windows, WindowsCE, Palm, or Linux.

Claim 33. (new) The method of claim 30 wherein the computer unit communicates with the module unit in the computer's native operating system.

Claim 34. (new) The method of claim 30 wherein one or more sensory devices monitor one or more patient characteristics of ECG, non-invasive blood pressure, invasive blood pressure, temperature, pulse, SpO_2, and CO_2.

Claim 35. (new) The method of claim 30 wherein the module is hard-wired to the computer unit.

Claim 36 (new) The method of claim 30 wherein the module communicates wirelessly with the computer unit.

Claim 37 (new) The method of claim 30 wherein the module is utilized for the maximum of a single patient.

Claim 38 (new) The method of claim 30 wherein data can be stored in remote electronic patient records in real time after the data is produced by the one or more sensory devices.

Claim 39. (new) The method of claim 30 wherein a medical caregiver acquires patient physiological data from the module unit through the computer unit.

Claim 40. (new) A system for monitoring a patient, comprising:

a) one or more physiological sensory devices;

b) an electronic module unit to receive data of the one or more sensory devices; and

c) a computer unit that utilizes an open architecture computing platform for receiving and analysis of data from the module;

wherein the module unit and computer unit transfer data through a handshaking methodology to ensure reliable data transfer and notification of error.

Claim 41. (new) The system of claim 40 wherein an alarm is provided upon notification of error in data transfer between the module unit and computer unit.

Claim 42.   (new)   The system of claim 40 wherein the computer unit utilizes Windows, WindowsCE, Palm, or Linux.

Claim 43.   (new)   The system of claim 40 wherein the computer unit communicates with the module unit in the computer's native operating system.

Claim 44.   (new)   The system of claim 40 wherein one or more sensory devices monitor one or more patient characteristics of ECG, non-invasive blood pressure, invasive blood pressure, temperature, pulse, SpO_2, and CO_2.

Claim 45.   (new)   The system of claim 40 wherein the module is hard-wired to the computer unit.

Claim 46.   (new)   The system of claim 40 wherein the module is configured to communicate wirelessly with the computer unit.

Claim 47.   (new)   The system of claim 40 wherein the system is configured so that data can be stored in remote electronic patient records in real time after the data is produced by the one or more sensory devices.